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## Blast 2 Sequences results

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### BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.6 [Apr-09-2003]

Match:  Mismatch:  gap open:  gap extension:   
x\_dropoff:  expect:  wordsize:  [Filter](#) ☒ [Align](#)

---

Sequence gi Homo Sapiens mRNA for AIRE protein Length 2245  
1 [2665370](#)

Sequence gi yf11d07.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA Length 444  
2 [757430](#) clone IMAGE:126541 5'.

No significant similarity was found



## Blast 2 Sequences results

[PubMed](#)[Entrez](#)[BLAST](#)[OMIM](#)[Taxonomy](#)[Structure](#)

### BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.6 [Apr-09-2003]

Match:  Mismatch:  gap open:  gap extension:   
x\_dropoff:  expect:  wordsize:  [Filter](#) ☒ [Align](#)

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Sequence gi  
1 [2665370](#) Homo Sapiens mRNA for AIRE protein **Length 2245**

Sequence gi [757381](#) yf11d07.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA **Length 415**  
2 clone IMAGE:126541 3', mRNA sequence

No significant similarity was found



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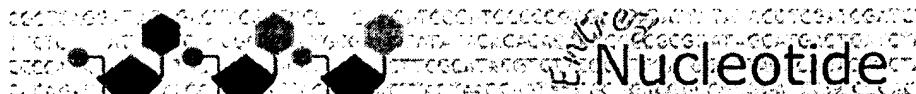
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☐ 1: Z97990. Homo Sapiens mRNA...[gi:2665370]

Links

LOCUS HSAPECED 2245 bp mRNA linear PRI 18-JUN-2000  
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 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
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 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1  
 AUTHORS Aaltonen,J., Bjrses,P., Perheentupa,J., Horelli-Kuitunen,N.,  
 Paloti,A., Peltonen,L., Lee,Y.S., Francis,F., Hennig,S., Thiel,C.,  
 Lehrach,H. and Yaspo,M.L.  
 TITLE An autoimmune disease, APECED, caused by mutations in a novel gene  
 featuring two PHD-type zinc finger domains  
 JOURNAL Nat. Genet. 17, 399-403 (1997)  
 MEDLINE 98061087  
 REFERENCE 2 (bases 1 to 2245)  
 AUTHORS Yaspo,M.L.  
 TITLE Direct Submission  
 JOURNAL Submitted (21-JUL-1997) Max Planck Institut fur Molekulare Genetik,  
 Ihnestrassse 73, Berlin D-14195, Germany  
 REMARK revised by submitter 24-SEP-1997  
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☐ 1: R06810.yf11d07.r1 Soares...[gi:757430]**IDENTIFIERS**

dbEST Id: 177106  
EST name: yf11d07.r1  
GenBank Acc: R06810  
GenBank gi: 757430  
GDB Id: 478702

**CLONE INFO**

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Insert length: 1068  
DNA type: cDNA

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Sequencing: M13RP1  
PolyA Tail: Unknown

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Quality: High quality sequence stops at base: 345

Entry Created: Apr 3 1995

Last Updated: Apr 3 1995

**COMMENTS**

Insert Size: 1068  
High quality sequence stops: 345 Source: IMAGE Consortium,  
LLNL This clone is available royalty-free through LLNL ;  
contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for  
further information.

**LIBRARY**

Lib Name: Soares fetal liver spleen 1NFLS  
Organism: Homo sapiens  
Sex: male  
Organ: Liver and Spleen  
Develop. stage: 20 week-post conception fetus  
Lab host: DH10B (ampicillin resistant)  
Vector: pT7T3D (Pharmacia) with a modified polylinker  
R. Site 1: Pac I  
R. Site 2: Eco RI  
Description: 1st strand cDNA was primed with a Pac I - oligo(dT) primer



[5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTTTTT 3'],  
double-stranded cDNA was ligated to Eco RI adaptors  
(Pharmacia), digested with Pac I and cloned into the Pac I  
and Eco RI sites of the modified pT7T3 vector. Library went  
through one round of normalization. Library constructed by  
Bento Soares and M.Fatima Bonaldo.

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**

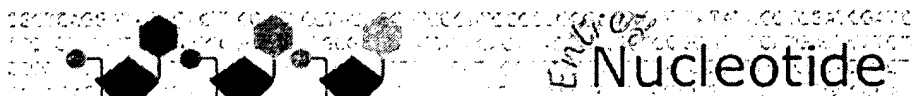
Title: The WashU-Merck EST Project  
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,  
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,  
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,  
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,  
Wilson,R.  
Year: 1995  
Status: Unpublished

**MAP DATA**

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☐ 1: R06761. yf11d07.s1 Soares...[gi:757381]**IDENTIFIERS**

dbEST Id: 177057  
EST name: yf11d07.s1  
GenBank Acc: R06761  
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Clone Id: IMAGE:126541 (3')  
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DNA type: cDNA

**PRIMERS**

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Quality: High quality sequence stops at base: 346

Entry Created: Apr 3 1995  
Last Updated: Apr 3 1995

**COMMENTS**

Insert Size: 1068  
High quality sequence stops: 346 Source: IMAGE Consortium,  
LLNL This clone is available royalty-free through LLNL ;  
contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for  
further information.

**LIBRARY**

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Organism: Homo sapiens  
Sex: male  
Organ: Liver and Spleen  
Develop. stage: 20 week-post conception fetus  
Lab host: DH10B (ampicillin resistant)  
Vector: pT7T3D (Pharmacia) with a modified polylinker  
R. Site 1: Pac I  
R. Site 2: Eco RI  
Description: 1st strand cDNA was primed with a Pac I - oligo(dT) primer  
[5' AACTGGAAGAATTAATTAAGATCTTTTTTTTTTTTTTTTTTTT 3'],

double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**

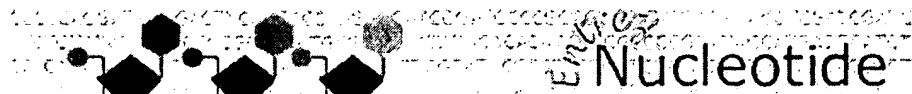
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Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.  
Year: 1995  
Status: Unpublished

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☐ 1: [AB006684](#). Homo sapiens APEC...[gi:2696618] [Links](#)

LOCUS AB006684 20000 bp DNA linear PRI 14-APR-2000

DEFINITION Homo sapiens APECED gene for AIRE-1, AIRE-2, AIRE-3, complete cds.

ACCESSION AB006684

VERSION AB006684.1 GI:2696618

KEYWORDS AIRE-1; AIRE-3; AIRE-2; autoimmune regulator-1; APECED; alternative splicing.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (sites)

AUTHORS Nagamine,K., Peterson,P., Scott,H.S., Kudoh,J., Minoshima,S., Heino,M., Krohn,K.J.E., Lalioti,M.D., Mullis,P.E., Antonarakis,S.E., Kawasaki,K., Asakawa,S., Ito,F. and Shimizu,N.

TITLE Positional cloning of the APECED gene

JOURNAL Nat. Genet. 17 (4), 393-398 (1997)

MEDLINE [98061086](#)

PUBMED [9398839](#)

REFERENCE 2 (bases 1 to 20000)

AUTHORS Shimizu,N.

TITLE Direct Submission

JOURNAL Submitted (16-AUG-1997) Nobuyoshi Shimizu, Keio University School of Medicine, Department of Molecular Biology; 35 Shinanomachi, Shinjuku-ku, Tokyo 160-8582, Japan  
(E-mail:shimizu@dmb.med.keio.ac.jp, Tel:81-3-3351-2370(ex.2720), Fax:81-3-3351-2370)

FEATURES

source Location/Qualifiers

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